

Fall asleep a birches at Otrokovice and Bieruń

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Szoen

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Cooperating schools

Primary and secondary school Mánesova Otrokovice

- Teacher - **Pavel Broža**



Primary School no.1 in Bieruń

- Teacher – **Joanna Gawor**
- Elevation is 242 m.
- Latitude: 50.0936° Longitude: 19.0892°



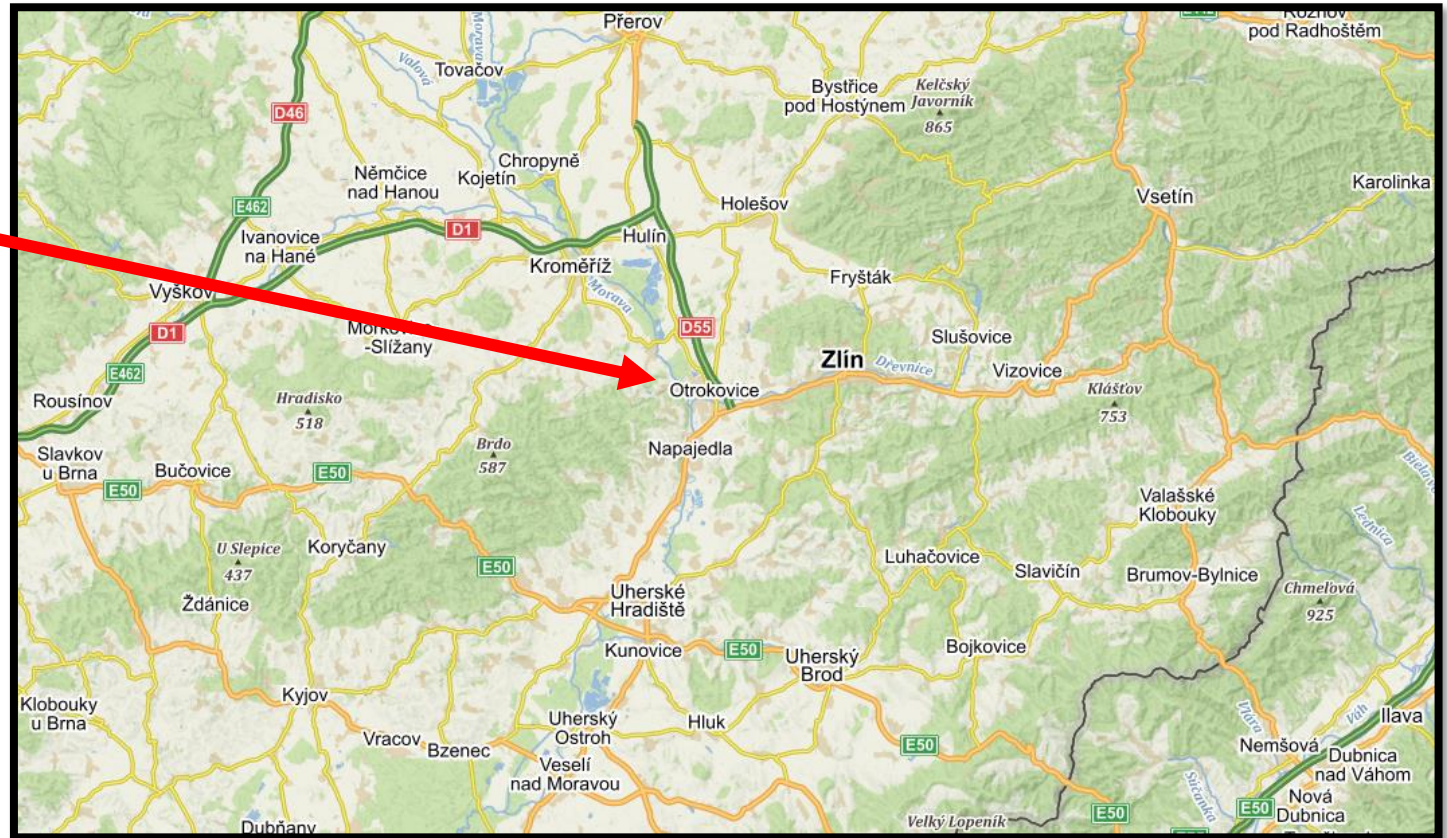
Otrokovice



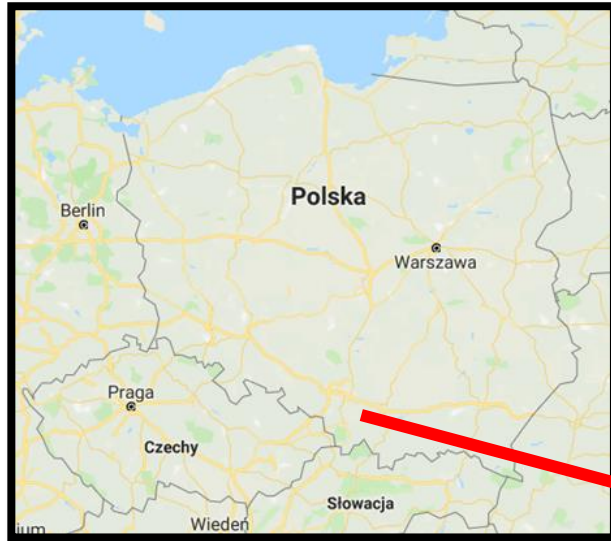
Elevation - 183 m a. s. l.

Latitude: 49.2172°

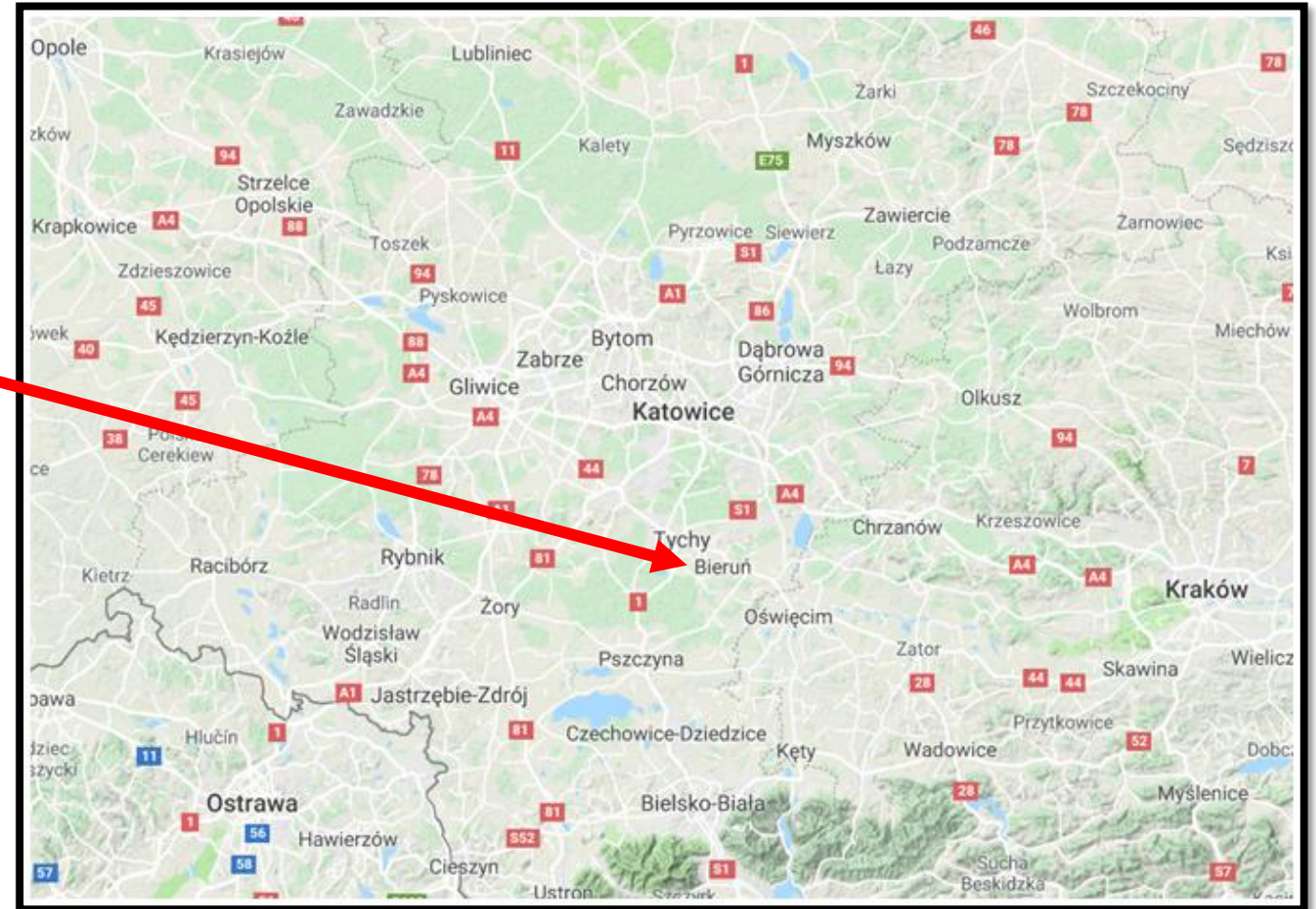
Longitude: 17.511°



Place in Poland



The partner school is from Bieruń

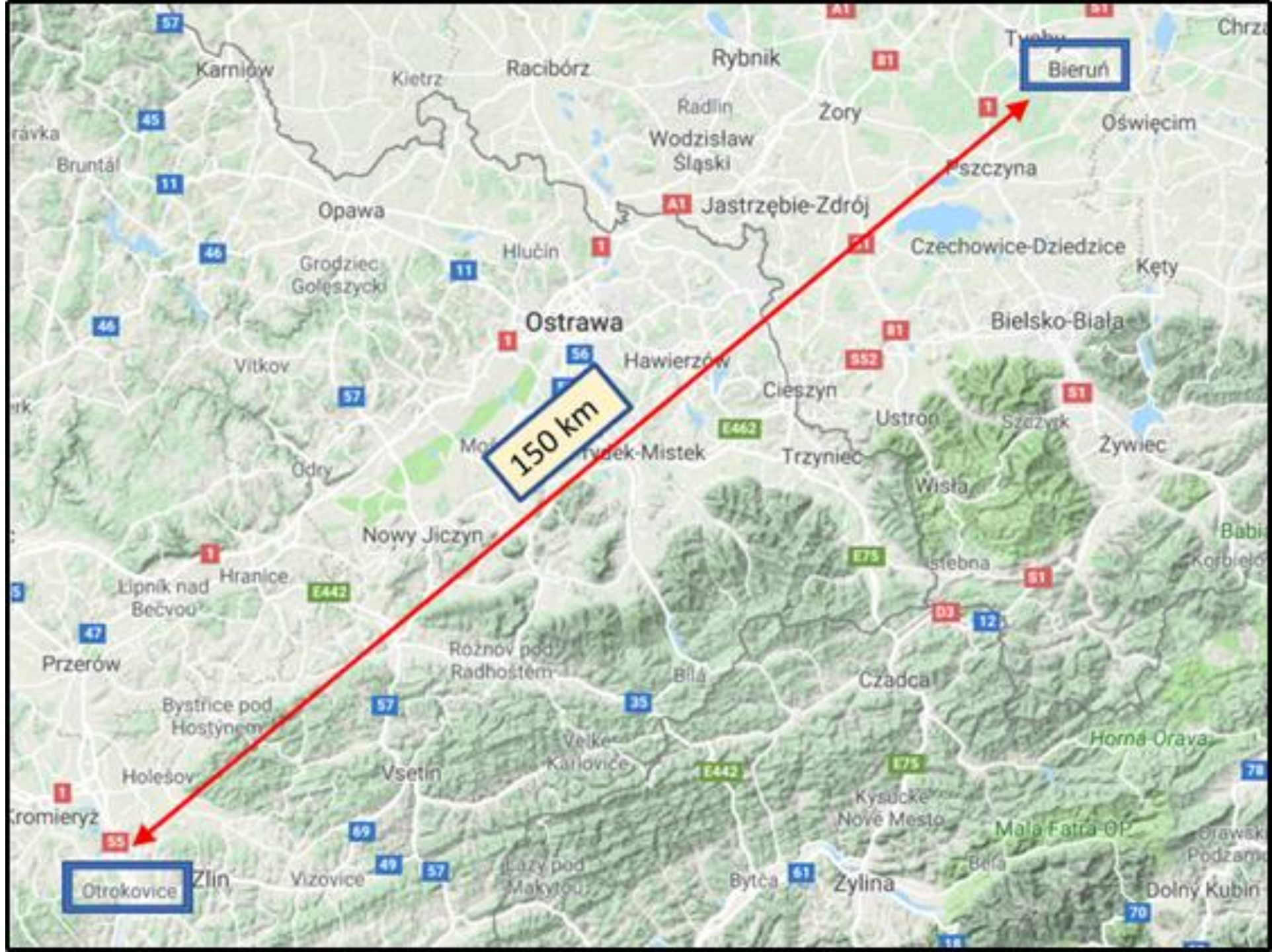


Elevation - 242 m a. s. l.

Latitude: 50.0936°

Longitude: 19.0892°

Air distance...



Observed birches

Otrokovice's birches



[First Czech birch](#)



[Second Czech birch](#)

Bieruń's birche



2nd November 2019

Science question and hypothesis

What influence
air temperatures and precipitation
have on birches falling asleep
in Otrokovice and Bieruń.

Higher temperatures and more
rainfall
will cause birches to fall asleep
later
than birches that have
lower temperatures and less
rainfall.

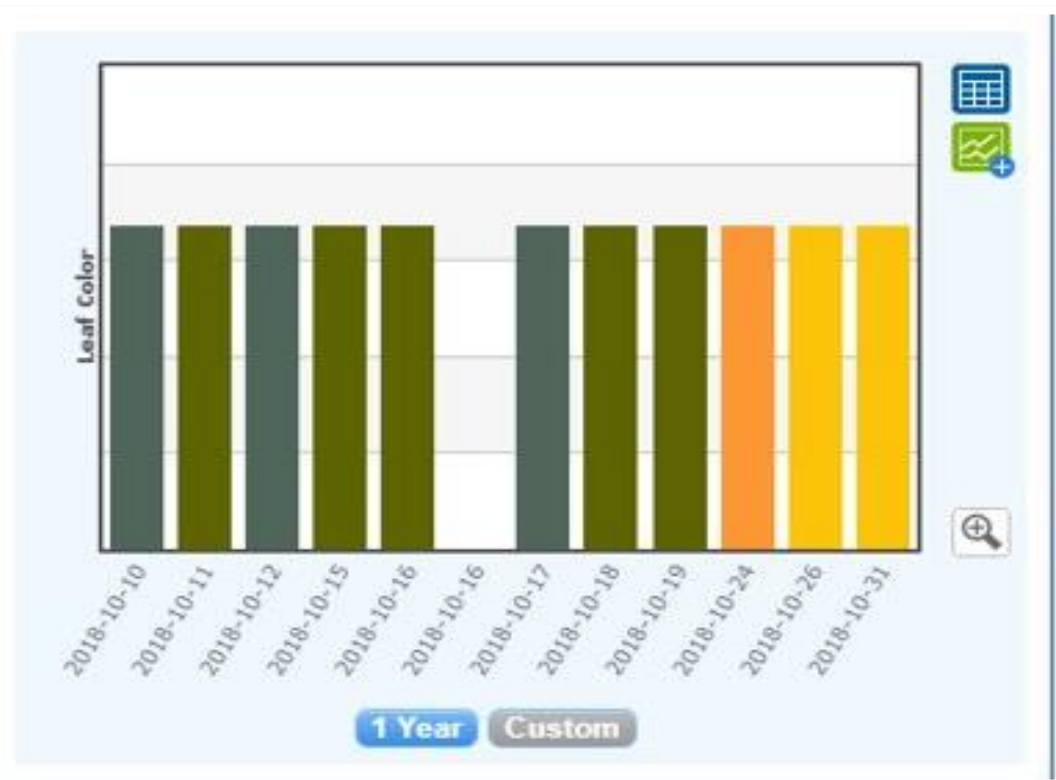


Comperation influences

Otrokovice

Leaves started falling: 10. 10. 2018

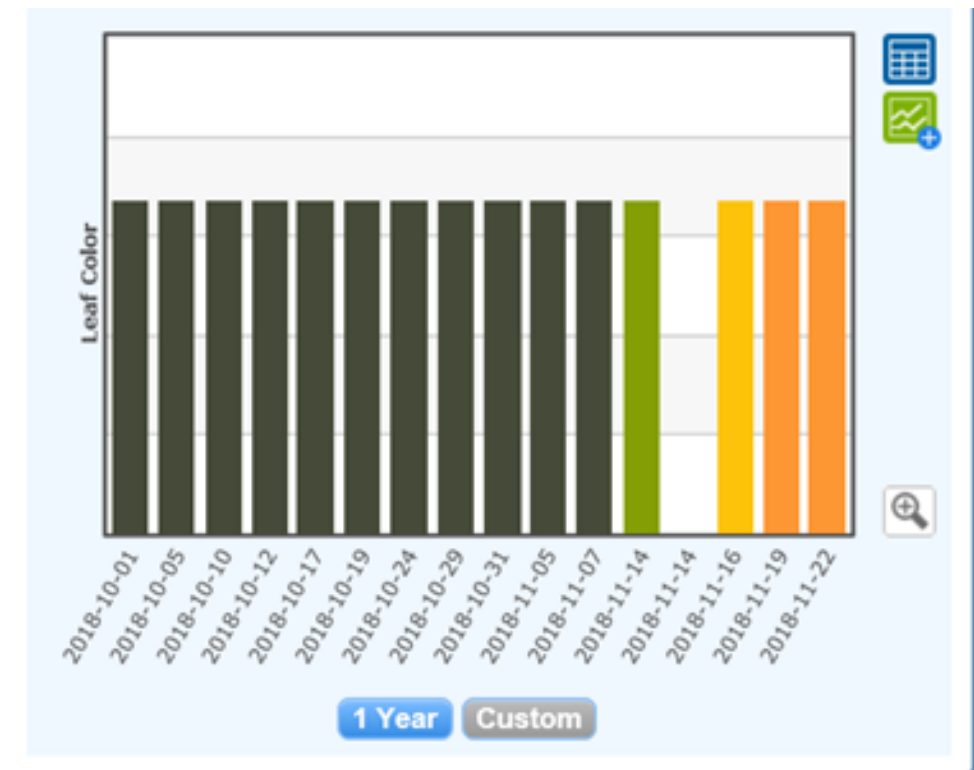
Leaves ended falling: 1. 12. 2018



Bieruń

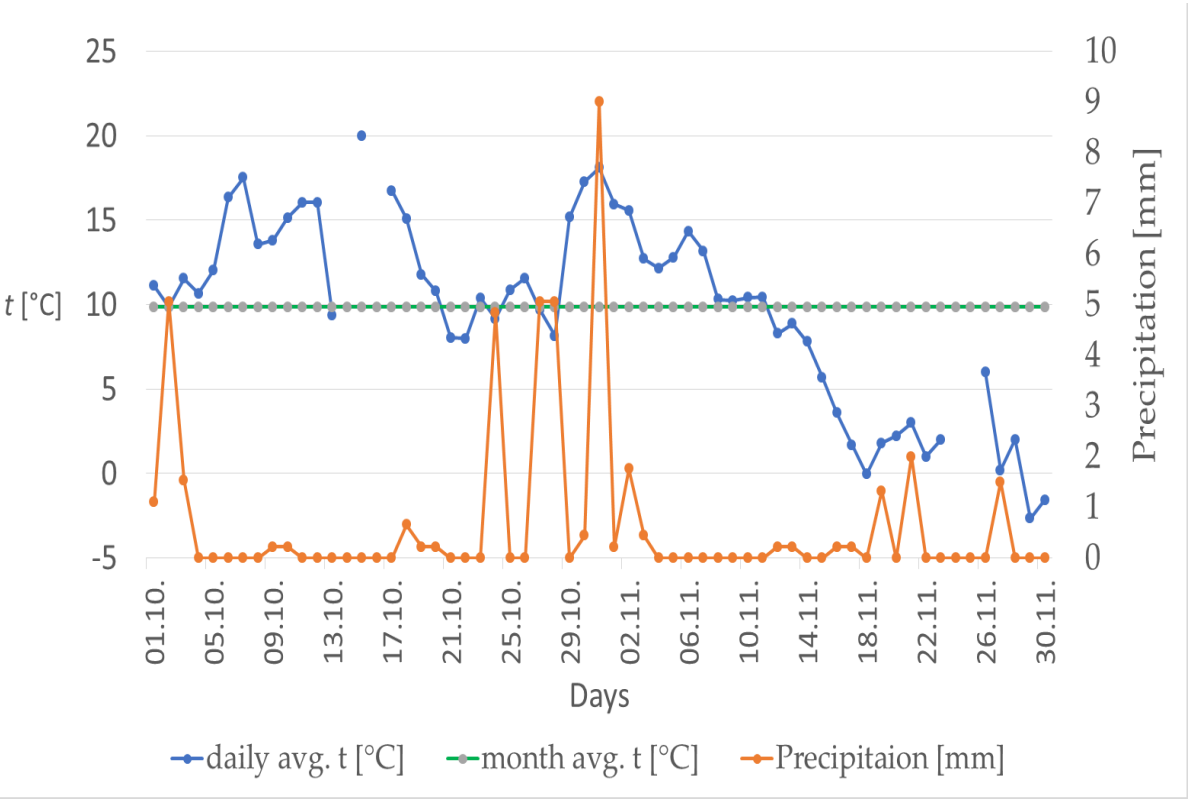
Leaves started falling: 14. 11. 2018

Leaves ended falling: 29. 11. 2018

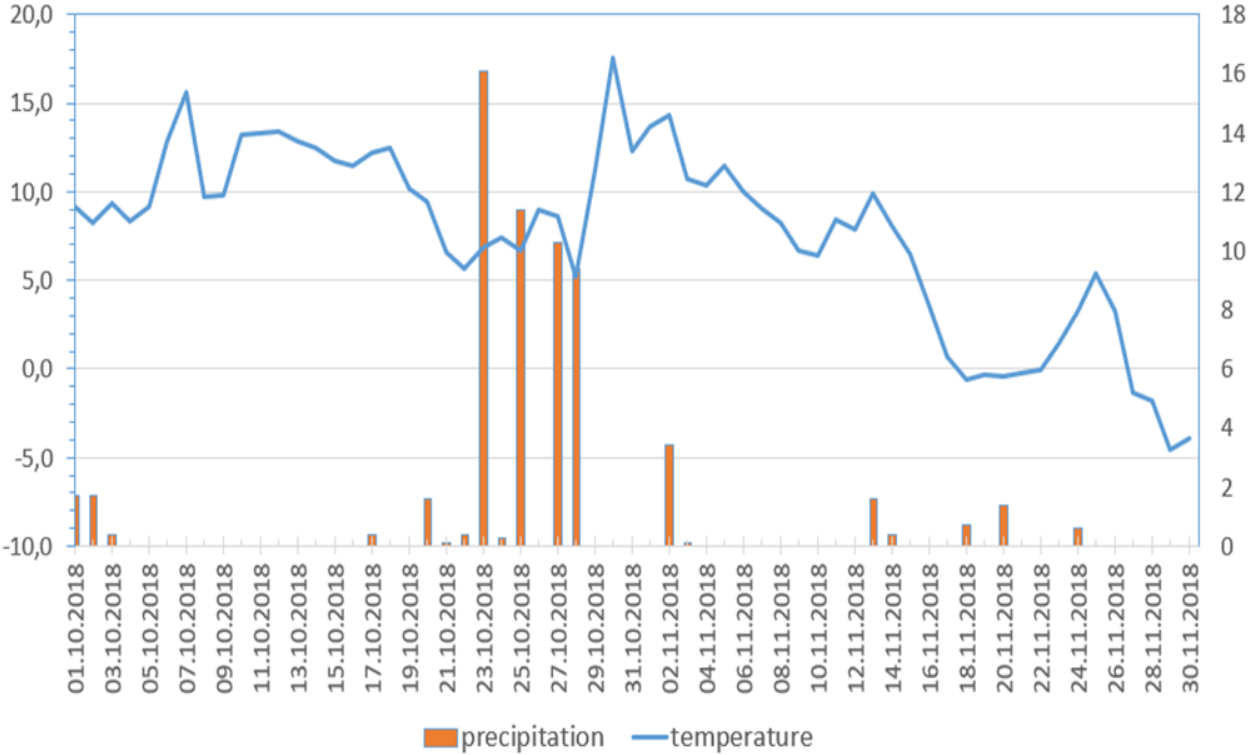


Comperation influences

Otrokovice



Bieruń



Conclusions

Otrokovice

- First leaf falled in 10. 10. 2018 so we start photographing and writing data to globe.
- Last leaf falled in 1. 12. 2018

Bieruń

- The first leaf fell down on the 14th November and the last one – 29th November.
- On 20th November the first snow was observed.

Verification of hypothesis

- Higher temperatures and more rainfall will cause birches to fall asleep later than birches that have lower temperatures and less rainfall.

The hypothesis is refuted.

Summary

Thank you for listening